

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Satoshi Seo et al.  
Serial No. : 10/072,507  
Filed : February 5, 2002  
Title : LIGHT EMITTING DEVICE

Art Unit : 2822  
Examiner : Keisha Rose  
Confirmation No.: 7036

**MAIL STOP RCE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Applicants request consideration of the reference listed on the attached PTO-1449 form in its entirety. The attached reference was previously submitted with an English language abstract only.

This filing is being made with the filing of a Request for Continued Examination. No fee is required.

Respectfully submitted,

Date: June 9, 2005



John F. Hayden  
Reg. No. 37,640

Customer No. 26171  
Fish & Richardson P.C.  
1425 K Street, N.W., 11th Floor  
Washington, DC 20005-3500  
Telephone: (202) 783-5070  
Facsimile: (202) 783-2331

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07977-300001	Application No. 10/072,507
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Satoshi Seo et al.	
		Filing Date February 5, 2002	Group Art Unit 2822

### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	04-357694	12/10/1992	JAPAN			Full	
	AM							
	AN							
	AO							
	AP							

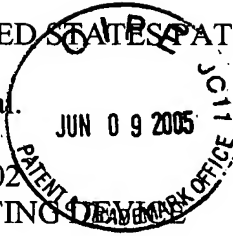
### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Satoshi Seo et al.  
Serial No. : 10/072,507  
Filed : February 5, 2002  
Title : LIGHT EMITTING DIODE



Art Unit : 2822  
Examiner : Keisha Rose  
Confirmation No.: 7036

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SECOND REQUEST FOR INITIALED PTO FORM 1449**

Further to a request filed May 11, 2005 and upon reviewing the file, applicants noted that they have not received an initialed copy of the enclosed PTO Forms 1449 that accompanied the information disclosure statement filed July 11, 2002 and the Supplemental Information Disclosure Statement filed March 4, 2005.

Applicants' records show that these information disclosure statements complied with 37 CFR 1.97. Thus, it is respectfully requested that the Examiner initial and return these forms as soon as possible.

A copy of the Information Disclosure Statement filed July 11, 2002, along with the stamped postcard is attached for your convenience.

With respect to the Information Disclosure Statement filed March 4, 2005, we request that the Examiner initial corrected Desig. IDs "AY" (**in bold print**) to correct a typographical error in the inventor's name and "CF" (**in bold print**) to correct a typographical error in the document number and country. A copy of the Information Disclosure Statement filed March 4, 2005, along with the stamped postcard is also attached for your convenience.

No fees are believed due. Please apply any charges or credits to deposit account 06-1050.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "John F. Hayden".

John F. Hayden  
Reg. No. 37,640

Date: June 9, 2005

Customer No. 26171  
Fish & Richardson P.C.  
1425 K Street, N.W., 11th Floor  
Washington, DC 20005-3500  
(202) 783-5070 telephone  
(202) 783-2331 facsimile



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PATENT  
ATTORNEY DOCKET NO. 07977 300001

The Patent and Trademark Office date stamp sets forth the date of receipt of:

Applicant or Patentee Seco et al.

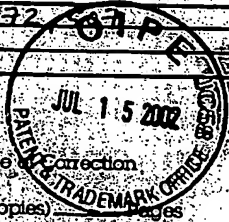
No. (Application, Appeal, Interference, Patent, Reexam) 10/032

Filing or Issue Date Feb 5 2002

Title Light Emitting Device

<input type="checkbox"/> Transmitted Letter (2 Copies)	<input type="checkbox"/> With Pet. for Ext.
<input type="checkbox"/> Assignment	<input type="checkbox"/> Status Inquiry
<input type="checkbox"/> Amendment/Response _____ Pages	<input type="checkbox"/> Declaration
<input type="checkbox"/> Maintenance Fee	<input type="checkbox"/> Request Certificate of Correction
<input type="checkbox"/> Check \$ _____	<input type="checkbox"/> Notice of Appeal
<input type="checkbox"/> Deposit Account Order Form (2 Copies)	<input type="checkbox"/> Appeal Brief (3 Copies) _____ Pages
<input type="checkbox"/> Issue Fee	<input type="checkbox"/> Request Patent Copies
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Petition for Extension Time
<input checked="" type="checkbox"/> PTO 1449 Form <u>2</u> Pages	
<input checked="" type="checkbox"/> Prior Art Reference Number of References <u>29</u>	
<input type="checkbox"/> Drawings _____ Sheets Formal _____ Sheets Informal _____ Sheets Amended	
<input type="checkbox"/> Notice of Missing Parts	
<input type="checkbox"/> Combined Declaration and Power of Attorney	
<input type="checkbox"/> Small Entity Statement	
<input type="checkbox"/> Other	

Atty/Sec SCH Client/ \_\_\_\_\_  
Initials \_\_\_\_\_ Matter Name \_\_\_\_\_ Date 7/11/02



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Attorney's Docket No.: 07977-300001



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Seo, et al.  
Serial No. : 10/072,507  
Filed : February 5, 2002  
Title : LIGHT EMITTING DEVICE

Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants call attention to the attached Information Disclosure Statement and documents listed on form PTO-1449.

This filing is being made before the receipt of a first Office action on the merits. No fee is required.

Consideration of the foregoing and enclosures plus the return of a copy of the enclosed form PTO-1449 with the Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

July 11, 2002

Date of Deposit

Signature

Jere Halligan

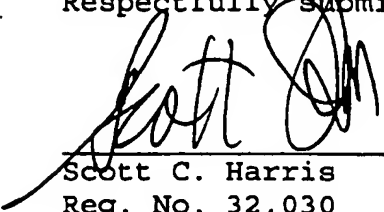
Typed or Printed Name of Person Signing Certificate

COPY

Please apply any additional charges or credits to Deposit  
Account No. 06-1050.

Respectfully submitted,

Date: 7/14/02

  
\_\_\_\_\_  
Scott C. Harris  
Reg. No. 32,030

Fish & Richardson P.C.  
PTO Customer No. 20985  
4350 La Jolla Village Drive, Suite 500  
San Diego, CA 92122  
Telephone: (858) 678-5070  
Facsimile: (858) 678-5099

10197527.doc

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07977-300001	Application No. 10/072,507
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Seo, et al.	
		Filing Date February 5, 2002	Group Art Unit

(37 CFR §1.98(b))

## U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5 925 980	Jul 20, 1999	So et al.			
	AB	5 853 905	Dec 29, 1998	So et al.			
	AC	6 130 001	Oct 10, 2000	Shi et al.			
	AD	5 271 089	Dec 14, 1993	Ozawa			
	AE	6 285 039	Sep 4, 2001	Kobori et al.			

## Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AF	1 065 737	Jan 3, 2001	EPO				
	AG	10-233288	Sep 2, 1998	Japan			Full	
	AH	2001-52870	Feb 23, 2001	Japan			Full	

## Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AI	Tang et al. "Organic electroluminescent diodes." Applied Physics Letters 51(12): 1987. p. 913-915.
	AJ	Kijima et al. "A blue organic light emitting diode." Jpn. J. Appl. Phys. 38: 1999. p. 5274-5277.
	AK	C. Adachi et al. "Electroluminescence in organic films with three-layer structure." Jpn. J. Appl. Phys. 27(2): 1988. p. L269-L271.
	AL	C.W. Tang et al. "Electroluminescence of doped organic thin films." J. Appl. Phys. 65(9): 1989. p. 3610-3616.
	AM	"New Aspect of Research and Development of Organic EL." M&BE Seminar, Bulletin of Organic Molecular/Bioelectronics Subcommittee, Society of Applied Physics, 11(1): 2000. p. 3-12.
	AN	T. Wakimoto et al. "Organic EL cells using alkaline metal compounds as electron injection materials." IEEE Transactions on Electron Devices 44(8): 1997. p. 1245-1248.
	AO	S.A. Van Slyke et al. "Organic electroluminescent devices with improved stability." Appl. Phys. Lett. 69(15): 1996. p. 2160-2162.
	AP	D.F. O'Brien et al. "Improved energy transfer in electrophosphorescent devices." Appl. Phys. Lett. 74(3): 1999. p. 442-444.
	AQ	T. Tsutsui et al. "High quantum efficiency in organic light-emitting devices with iridium-complex as a triplet emissive center." Jpn. J. Appl. Phys. 38: 1999. p. L1502-L1504.
	AR	T. Tsutsui et al. "The operation mechanism and the light emission efficiency of the organic EL element." Text of the Third Lecture Meeting, Bulletin of Organic Molecular/Bioelectronics Subcommittee, Society of Applied Physics, p. 31-37.
	AS	J. Kido et al. "Multilayer white light-emitting organic electroluminescent device." Science 367: 1995. p. 1332-1334.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

COPY

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07977-300001	Application No. 10/072,507
<b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary)		Applicant Seo, et al.	
		Filing Date February 5, 2002	Group Art Unit

(37 CFR §1.98(b))

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AT	Satoshi Seo et al., U.S. patent application serial no. 10/043,786, filed January 10, 2002
	AU	Satoshi Seo et al., U.S. patent application serial no. 10/043,812, filed January 10, 2002
	AV	Satoshi Seo et al., U.S. patent application serial no. 10/060,427, filed January 29, 2002
	AW	Shunpei Yamazaki et al., U.S. patent application serial no. 10/062,005, filed January 31, 2002
	AX	Shunpei Yamazaki et al., U.S. patent application serial no. 10/072,310, filed February 5, 2002
	AY	Shunpei Yamazaki et al., U.S. patent application serial no. 10/081,971, filed February 20, 2002
	AZ	Satoshi Seo et al., U.S. patent application serial no. 10/081,558, filed February 20, 2002
	AAA	Hirokazu Yamagata et al., U.S. patent application serial no. 09/852,090, filed May 10, 2001.
	ABB	Satoshi Seo et al., U.S. patent application serial no. 10/026,064, filed December 21, 2001.
	ACC	Satoshi Seo et al., U.S. patent application serial no. 10/024,699, filed December 21, 2001.
	ADD	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

COPY




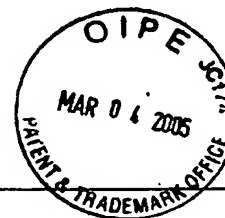


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Attorney's Docket No. 07977-300001	Client Reference No. US5505	Mailing Date March 4, 2005	<b>For PTO Use Only</b> <i>Do Not Mark in This Area</i>
Application No. 10/072,507	Filing Date February 5, 2002	Attorney/Secretary Init JFH/WXH/adt	
Title of the Invention LIGHT EMITTING DEVICE			
Applicant Satoshi Seo et al.			
Enclosures  <input checked="" type="checkbox"/> Suppl. Information Disclosure Statement (1 page) <input checked="" type="checkbox"/> Form PTO-1449 (3 pages)  			



COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Satoshi Seo et al.  
Serial No. : 10/072,507  
Filed : February 5, 2002  
Title : LIGHT EMITTING DEVICE

Art Unit : 2822  
Examiner : Keisha Rose

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

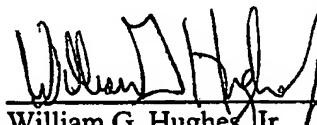
Supplemental to the Information Disclosure Statements (IDS's) filed August 2, 2005 and February 23, 2005, Applicants submit the attached corrected form PTO-1449. The corrected form PTO-1449 is being submitted to correct a typographical error in the inventor's name for reference Desig. ID "AY". The attached form PTO-1449 includes the correct inventor's name in bold print. The attached form PTO-1449 also reflects the corrections noted in the IDS filed February 23, 2005, with respect to reference Desig. ID "CF."

In accordance with the telephone conversation on March 3, 2005 between the Examiner and the undersigned attorney, Applicants respectfully request that the Examiner initial the above-mentioned reference Desig. ID's and return the attached form PTO-1449.

No fee is believed to be due in connection with this paper. In the event that any fees are due, please apply any charges or credits to deposit account 06-1050.

Respectfully submitted,

Date: March 3, 2005

  
\_\_\_\_\_  
William G. Hughes, Jr.  
Reg. No. 46,112

Customer No. 26171  
Fish & Richardson P.C.  
1425 K Street, N.W. - 11th Floor  
Washington, DC 20005-3500  
Telephone: (202) 783-5070  
Facsimile: (202) 783-2331  
WXH/adt  
40268543.doc

COPY

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Office No. 07977-300001	Application No. 10/072,507
	Applicant Seo, et al.			Group Art Unit 2822
	Filing Date February 5, 2002			

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2001-0051207	12/2001	Yamagata et al.			
	AB	2002-0018912	02/2002	Jung et al.			
	AC	2002-0038867	04/2002	Kobori et al.			
	AD	2002-0074935	06/2002	Kwong et al.			
	AE	2002-0081767	06/2002	Kawashima			
	AF	2002-0086180	07/04/2002	Seo et al.			
	AG	2002-0093283	07/18/2002	Seo et al.			
	AH	2002-0101154	08/2002	Seo et al.			
	AI	2002-0105005	08/2002	Seo et al.			
	AJ	2002-0109136	08/15/2002	Seo et al.			
	AK	2002-0113546	08/2002	Seo et al.			
	AL	2002-0121860	09/2002	Seo et al.			
	AM	2002-0139303	10/2002	Yamazaki et al.			
	AN	2002-0155632	10/2002	Yamazaki et al.			
	AO	2003-0010288	01/2003	Yamazaki et al.			
	AP	2003-0118950	06/2003	Chao et al.			
	AQ	2003-0134145	07/2003	Toguchi et al.			
	AR	3,654,525	04/1972	Maricle et al.			
	AS	5,017,863	05/1991	Mellitz			
	AT	5,039,657	08/1991	Goldman, et al.			
	AU	5,170,990	12/1992	Kamiya et al.			
	AV	5,256,945	10/1993	Imai et al.			
	AW	5,281,489	01/25/94	Mori et al.			
	AX	5,486,406	01/1996	Song Shi			
	AY	5,513,499	05/1996	DeRijke			
	AZ	5,817,431	10/1998	Shi et al.			
	BA	5,858,563	01/1999	Sano et al.			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

COPY

Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
07977-300001Application No.  
10/072,507**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Seo, et al.

Filing Date

February 5, 2002

Group Art Unit  
2822**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	BB	5,925,472	07/1999	Hu et al.			
	BC	5,955,836	09/1999	Boerner et al.			
	BD	5,989,737	11/1999	Xie et al.			
	BE	6,030,715	02/2000	Thompson et al.			
	BF	6,097,147	08/2000	Baldo et al.			
	BG	6,121,727	09/2000	Kanai et al.			
	BH	6,132,280	10/2000	Tanaba et al.			
	BI	6,215,462	04/2001	Yamada et al.			
	BJ	6,228,228	05/2001	Singh et al.			
	BK	6,237,529	05/2001	Spahn			
	BL	6,275,649	08/2001	Nagashima et al.			
	BM	6,284,050	09/2001	Shi et al.			
	BN	6,310,360	10/2001	Forrest et al.			
	BO	6,326,091	12/2001	Schoo et al.			
	BP	6,368,730	04/2002	Kishimoto et al.			
	BQ	6,372,154	04/2002	Li			
	BR	6,392,250	05/2002	Aziz et al.			
	BS	6,392,339	05/2002	Aziz et al.			
	BT	6,396,209	05/2000	Kido et al.			
	BU	6,413,656	07/2002	Thompson et al.			
	BV	6,432,255	08/2002	Sun et al.			
	BW	6,458,475	10/2002	Adachi et al.			
	BX	6,468,676	10/2002	Ueda et al.			
	BY	6,495,198	12/2002	Peng			
	BZ	6,517,996	02/2003	Chao et al.			
	CA	6,528,824	03/2003	Yamagata et al.			
	CB	6,541,909	04/2003	Motomatsu			

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07977-300001	Application No. 10/072,507
		Applicant Seo, et al.	
		Filing Date February 5, 2002	Group Art Unit 2822

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	CC	6,566,807	05/2003	Fujita et al.			
	CD	6,603,140	08/2003	Kobori et al.			
	CE	6,614,175	09/2003	Aziz et al.			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	CF	TW - 366598	08/1999	TAIWAN			FULL	
	CG	EP 1 011 155 A2	06/2000	EUROPE			English	
	CA	EP 1 220 340	07/2002	EUROPE			English	
	CB	JP 2000-208262	07/2000	JAPAN			Full	
	CC	JP04-357694	10/1992	JAPAN			Abstract	
	CD	TW 243470	03/1995	TAIWAN			Abstract	
	CE	TW 451601	08/2001	TAIWAN			Abstract	
	CF	WO 02/47457	06/2002	WIPO			English	

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	CH	Invitation to Respond to Written Opinion w/International Search Report, 6 pages, 10 June 2004.
	CI	
	CJ	
	CK	

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

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